RIGIDEX® K38-20

Product Technical Information

RIGIDEX® K38-20 is a medium-density polyethylene copolymer designed for the extrusion of non-pressure pipe. **RIGIDEX® K38-20** is also suitable for blown film extrusion..

Benefits & Features

- Natural medium density polyethylene with high stress crack resistance and broad molecular weight distribution.

Applications

- Non pressure pipes, corrugated pipes, conduits
- Blown film (as pure, in blend or co-extrusion)

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/5 kg	ISO 1133-1	0.85	g/10min
Melt Flow Rate	190°C/2.16 kg	ISO 1133-1	0.20	g/10min
Physical				
Density ISO 1872-1	23°C	ISO 1183-1	938	kg/m³
Mechanical*				
Tensile Strength at Yield	23°C	ISO 527-1,-2	19	MPa
Tensile Strain at Break	23°C, 50 mm/min	ISO 527-2	> 350	%
Tensile Modulus	23°C, 1 mm/min	ISO 527-2	600	MPa
Environmental Stress Cracking Resistance (ESCR)	-	INEOS Test Method	>1000	h
Thermal				
Melting Temperature	DSC 2nd heating 10°C/min	ISO 11357-3	127	°C
Vicat Softening Temperature	10N	ISO306/A50	121	°C

Data should not be used for specification work

* Values measured on plate

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Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration.
It is advised to process the product within maximum one year after delivery.

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